

Attorney Docket No. D3301-00149

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Toshiaki Shirosaka et al.

Confirmation No.: 1713

Serial No.: 10/550,885

Group Art Unit: 2821

Filed: 09/27/2005

Examiner: not yet known

VARIABLE DIRECTIVITY ANTENNA AND VARIABLE DIRECTIVITY ANTENNA For:

SYSTEM USING THE ANTENNAS

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail under 37 CFR § 1.8 addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

- Together with the present application.
- [x]Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]

- [] After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR § 1.97(c)]
- [] After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR § 1.97(d)]

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

- [x] No separate requirements are needed.
- [x] No additional fee is required.

[] <u>Fee Under 37 CFR § 1.97(c)</u>

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

[] Fee Under 37 CFR § 1.97(d)

The fee of \$180.00 for submission of an information disclosure statement under § 1.97(d) set forth in § 1.17(p) accompanies this statement.

[] Certification Under 37 CFR § 1.97(e)

- () Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- () No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement.

Provision of Copies of References

[X] A copy of each of the non-U.S. patent references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.

- [X] A translation or partial translation of each of the non-U.S. patent references on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.
- [X] A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

- [] This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s).

 The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- [X] The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. <u>04-1679</u>. A duplicate copy of this transmittal is attached.

Respectfully submitted,

DATE: 12-20-2005

Jøseph A. Powers

Registration No. 47,006 Attorney for Applicant(s)

DUANE MORRIS LLP 30 South 17th Street Philadelphia, PA 19103-7396 Telephone: 215-979-1842

Fax: 215-979-1020

PTO/SB/08A (10-01)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

r the sperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

1

1

Sheet

Complete if Known			
Application Number	10/550,885		
Filing Date	09/27/2005		
First Named Inventor	Toshiaki Shirosaka et al.		
Art Unit	2821		
Examiner Name			
Attorney Docket Number	D3301-00149		

,	U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Publication Date Name of Patentee or		Pages, Columns, Lines, Where Relevant Passages or Relevant	
Initials	No.	Number-Kind Code (If known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear	
	ļ					
	<u> </u>					
-	ļ <u>.</u>					

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	Т
	Α	JP 54-140636 U	09-29-1979	Tokyo Shibuaura Elec. Co. Ltd.		partial
	В	JP 56-080935 A	07-02-1981	Matsushita Electric Ind. Co. Ltd.		abstract
•	С	JP 56-013809 A	02-10-1982	Matsushita Electric Ind. Co. Ltd.		abstract
	D	JP 57-82706 U	05-21-1982	DX Antenna Co. Ltd.		partial
	Е	JP 58-66708 U	05-06-1983	Pioneer Electric Corp.		partial
	F	JP 09-181667	07-11-1997	NEC Corp.		yes
	G	JP 10-191464 A	07-21-1998	Prince Corp.		yes
	H.	JP 11-231038	08-27-1999	Mitsubishi Electric Corp.		yes
	l	JP2000-236209	08-29-2000	Nippon Telegraph & Telephone Corp.		yes
	J	JP 2001-217737	08-10-2001	DX Antenna Co., Ltd.		yes
	K	JP 2003-008328	01-10-2003	DX Antenna Co. Ltd.		yes

PH1\1515760.1

Examiner	Date	
Signature	 Considered	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Substitute for form 1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known				
Application Number	10/550,885			
Filing Date	09/27/2005			
First Named Inventor	Toshiaki Shirosaka et al.			
Art Unit	2821			
Examiner Name				
Attorney Docket Number	D3301-00149			

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	Т
	L	International Search Report from PCT/JP2004/004793 dated 15 June 2004	
••			
······································		·	
	_		
		-	

PH1\1515357.1

Examiner	D	Date	·
Signature	C	Considered	

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.